Mon, 3 Jul 2006, 9:20:26 AM EST

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Recent Search Queries		Results
#1	(integrity<and>accuracy)<and>reliability	2381
#2	(((integrity<and>accuracy)<and>reliability)<AND>(satellite and gps<in>metadata))	61
#3	(((integrity<and>accuracy)<and>reliability)<AND>(satellite and gps<in>metadata))	61
#4	(((integrity<and>accuracy)<and>reliability)<AND>(satellite and gps<in>metadata))	61
#5	(((integrity<and>accuracy)<and>reliability)<AND>(satellite and gps<in>metadata))	61
#6	(integrity<and>reliability)<and>accuracy	2381
#7	(((integrity<and>reliability)<and>accuracy)<AND> (gps<in>metadata))	68
#8	(((integrity<and>reliability)<and>accuracy)<AND> (gps<in>metadata))	68
#9	(((integrity<and>reliability)<and>accuracy)<AND> (gps<in>metadata))	68

GPS integrity monitoring and system improvement with ground stationand multistationary satellite support

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This paper appears in: **Position Location and Navigation Symposium, 1992. Record. '500 Years After Columbus - Navigation Challenges of Tomorrow'. IEEE PLANS '92., IEEE**
Publication Date: 23-27 Mar 1992
On page(s): 559-565
Meeting Date: 03/23/1992 - 03/27/1992
Location: Monterey, CA, USA
ISBN: 0-7803-0468-3
References Cited: 4
INSPEC Accession Number: 4303782
DOI: 10.1109/PLANS.1992.185908
Posted online: 2002-08-06 18:25:34.0

Abstract
The authors propose a monitoring and warning system based on ground stations capable of supporting reliable operatio The same stations can also be used for the implementation of a differential mode of operation, through the transmission measurement corrections relevant to the tracked GPS (Global Positioning System) satellites. A combined operation of th stations is implemented in this manner. For civil aviation applications, the system operation can be enhanced with the integration of four multistationary satellites within the GPS space segment. The addition of four multistationary satellites will extend the integrity monitoring and system availability worldwide up to very high latitudes. The adoption of multistationary satellites presents valuable advantages over geostationary satellites. The results of some preliminary simulations are presented for the integrity monitoring and the system availability improvement

Index Terms
Inspec
Controlled Indexing
alarm systems ground support systems radionavigation satellite relay systems

Non-controlled Indexing
GPS integrity monitoring Global Positioning System civil aviation applications differential mode ground station support measurement corrections multistationary satellite support space segment system availability very high latitudes warning system
Author Keywords
Not Available

References

No references available on IEEE Xplore.

Citing Documents

No citing documents available on IEEE Xplore.

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	195	integrity with accuracy and satellite with navigation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/03 10:43
S1	8	("20040248559"|"6667713"|"6782330"|"6850187").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/03 10:42